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DATASHEET

Quercetin Dihydrate

Product overview

Name	Quercetin Dihydrate
Cat No	HB0543
Biological action	Inhibitor
Purity	>95%
Description	Broad enzyme inhibitor

Biological Data

Biological description	Broad enzyme inhibitor. Dihydrate form of Quercetin. Inhibits many enzymes such as tyrosine protein kinase, phosphodiesterase and phospholipase A2. Inhibits L-type voltage-gated calcium channel inward currents and increases voltage-gated K ⁺ channel currents. Shows many actions such as antioxidant, neuroprotective, antidepressant, anxiolytic, antitumor, antiasthma and vasodilator actions.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (68mg/ml, at 25 °C) or Acetic acid (1mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one dihydrate; 3,3',4',5,7-Pentahydroxyflavone dihydrate
Molecular Weight	338.27
Chemical structure	
Molecular Formula	C ₁₅ H ₁₀ O ₇ ·2H ₂ O
CAS Number	6151-25-3
PubChem identifier	5284452
SMILES	<chem>C1=CC(=C(C=C1C2=C(C(=O)C3=C(C=C(C=C(C3O2)O)O)O)O)O)O.O.O</chem>